

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

3/22/11

LaKeshia Parker
Assistant District Attorney, Suffolk County

Dear ADA Parker,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan and Della Saunders
3. Control Cards with analytical results for sample # [REDACTED]
4. Analysis sheets with the custodial chemist's hand notations and test results.
5. GC/MS Spectral analytical data for sample # [REDACTED]

I, Annie Dookhan, was the custodial chemists and performed the testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Khan".

Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Boston Police

CC #

BOOK #

PAGE #

DRUG RECEIPT

District/Unit

Destruction #

Name & Rank of Submitting Officer

ID #

DEFENDANT'S NAME

ADDRESS
STREET

CITY

STATE

DOR

MA

DRUGS — IMPLEMENTS — AND/OR PARAPHERNALIA

GROSS QUANTITY

ANALYSIS
NUMBER

SUBOXONE (orange)

4 1/2 pills
12.86g

Received by

ID #

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

No. [REDACTED]

Date Analyzed: MAR 08 2010

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount: 4.5

Subst: TABS

No. Cont: 1 Cont: pb

Date Rec'd: 08/05/2009

No. Analyzed:

Gross Wt.: 12.86

Net Weight: 1.75

Tests: 1 ASD

Prelim: Buprenorphine

Findings:

Buprenorphine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST _____

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION:

4.5 orange hexagonal tablet
17-pb

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 1.7531



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA () _____

OTHER TESTS

Monomelic ATO

PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 3-6-10

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR DCS

DATE 3-8-10

POISINDEX® Product List**Suboxone**

Regulatory-Status: Schedule III

Ingredients

Active-Ingredients: Buprenorphine - 8 MG
Naloxone - 2 MG

Availability & Manufacturing

Availability: United States

Available-Container-Size: Bottle of 30

Contact: Reckitt Benckiser

Product ID: 6370996

AAPCC Code: 037708 - Other or Unknown Narcotics

Registry Number: NDC 12496-1306-02

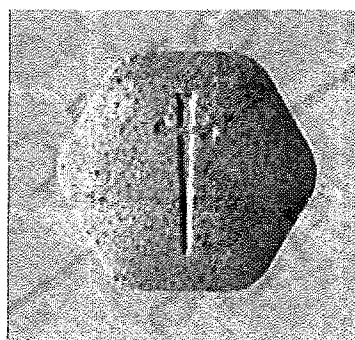
Physical Description

Imprint: N8; Sword Logo

Form: Tablet

Color: orange

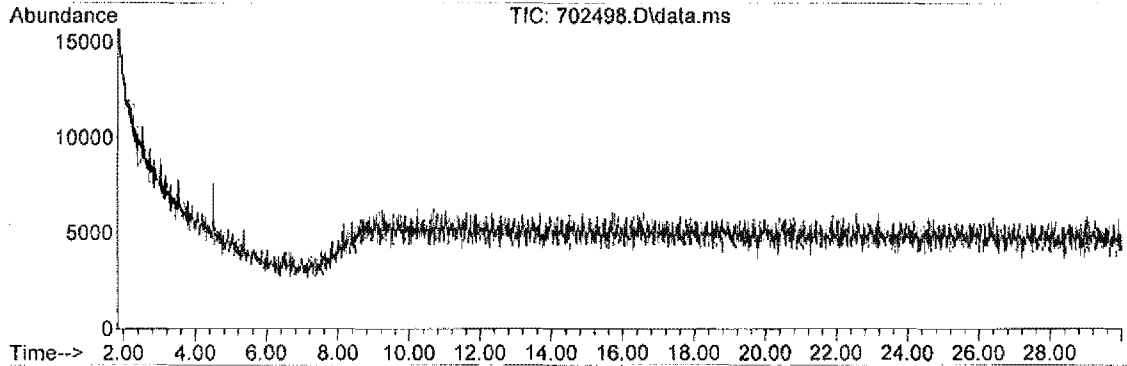
Shape: Six-sided

Images for NDC 12496-1306-02

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Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\702498.D
Operator : DCS
Date Acquired : 5 Mar 2010 8:53
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN
Integrator : RTE



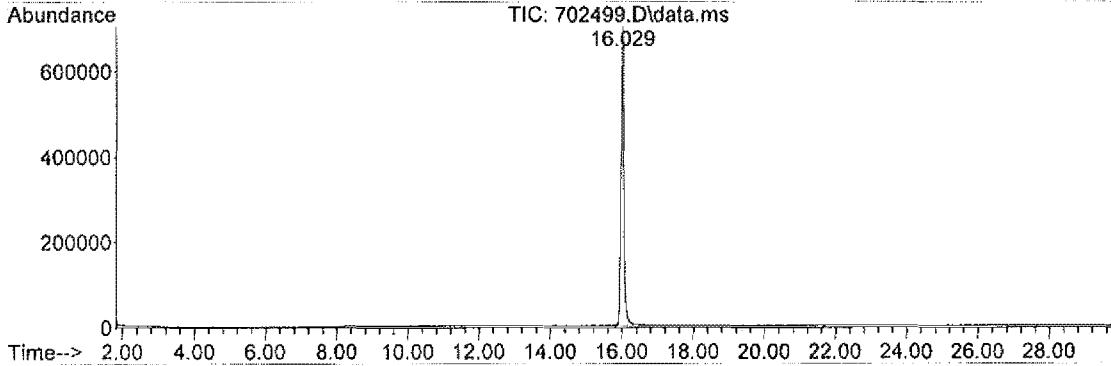
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

✓ 3/16/11 JES

Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\702499.D
 Operator : DCS
 Date Acquired : 5 Mar 2010 9:27
 Sample Name : BUPRENORPHINE STANDARD
 Submitted by :
 Vial Number : 99
 AcquisitionMeth: WSCREEN
 Integrator : RTE



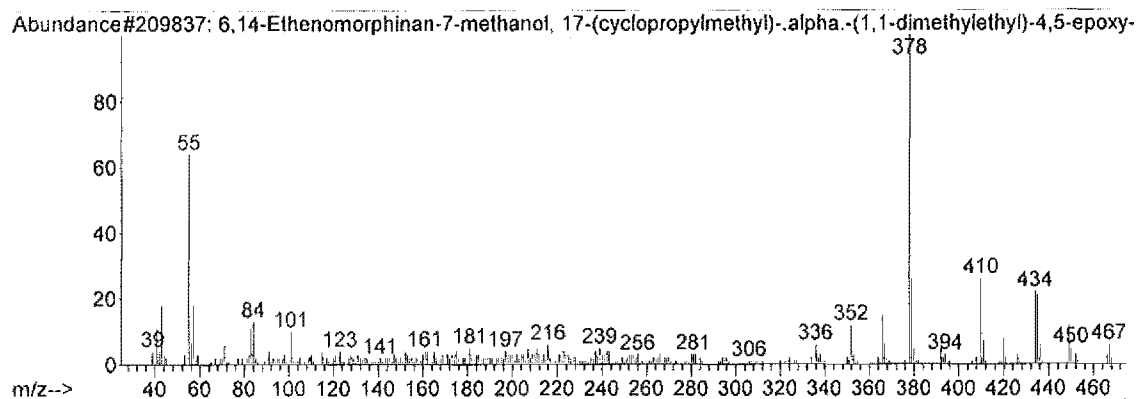
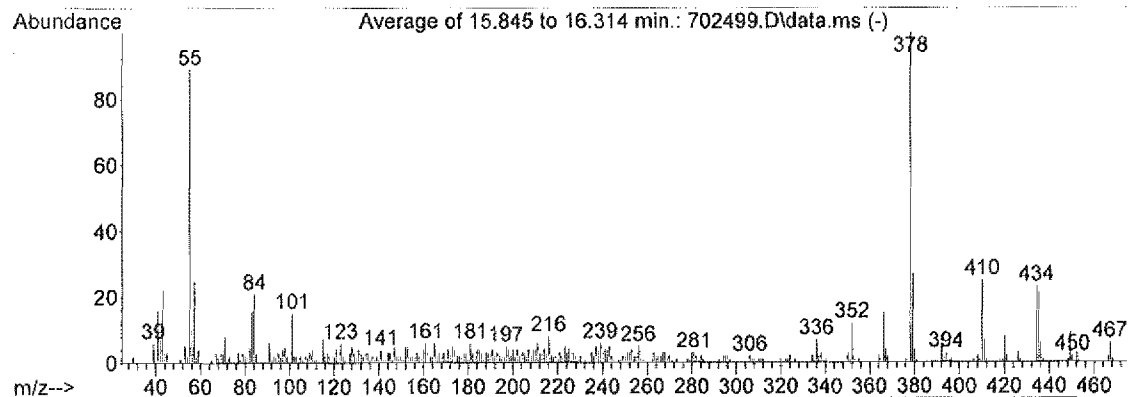
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Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\702499.D
Operator : DCS
Date Acquired : 5 Mar 2010 9:27
Sample Name : BUPRENORPHINE STANDARD
Submitted by :
Vial Number : 99
AcquisitionMeth: WSCREEN
Integrator : RTE

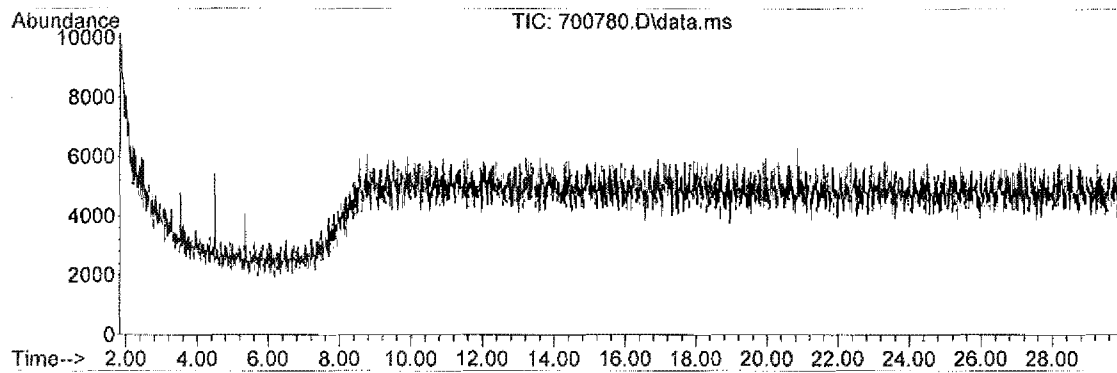
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C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	16.03	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	97



Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700780.D
Operator : DCS
Date Acquired : 5 Mar 2010 13:59
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: WSCREEN
Integrator : RTE

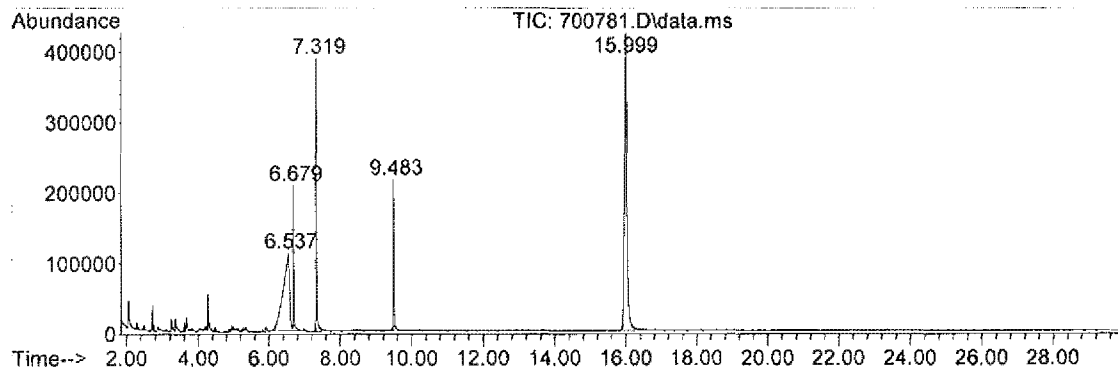


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700781.D
Operator : DCS
Date Acquired : 5 Mar 2010 14:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: WSCREEN
Integrator : RTE



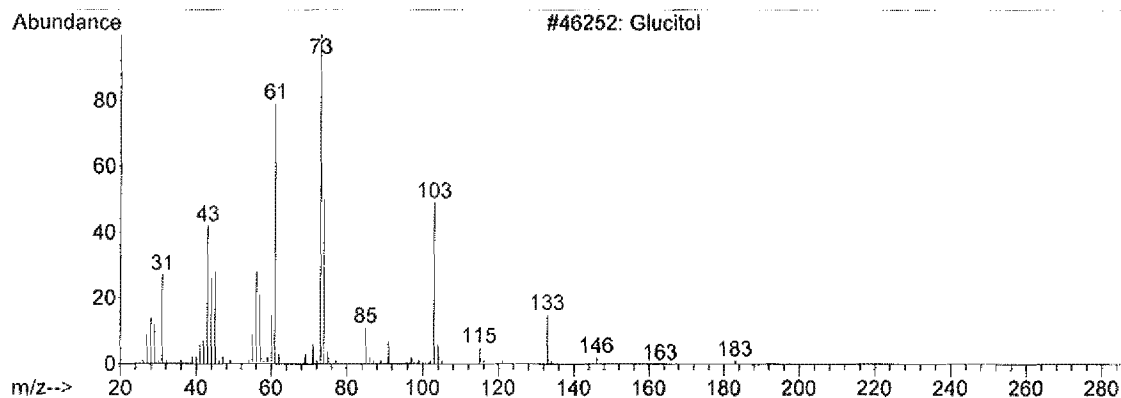
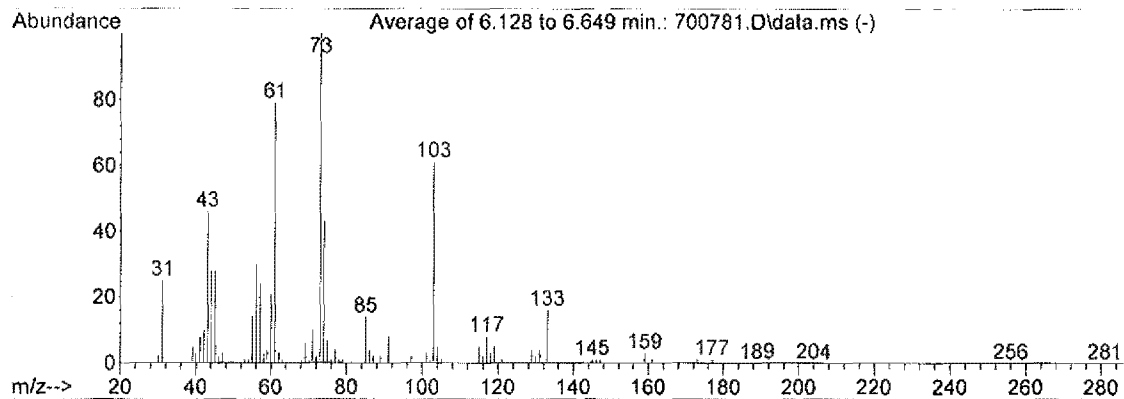
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6.679	215317	4.92	10.51
7.319	413702	9.45	20.19
9.483	325929	7.44	15.91
15.999	2049121	46.79	100.00

Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700781.D
Operator : DCS
Date Acquired : 5 Mar 2010 14:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.54	C:\Database\NIST08.L		
		Glucitol	026566-34-7	91
		Sorbitol	000050-70-4	87
		D-Mannitol	000069-65-8	87

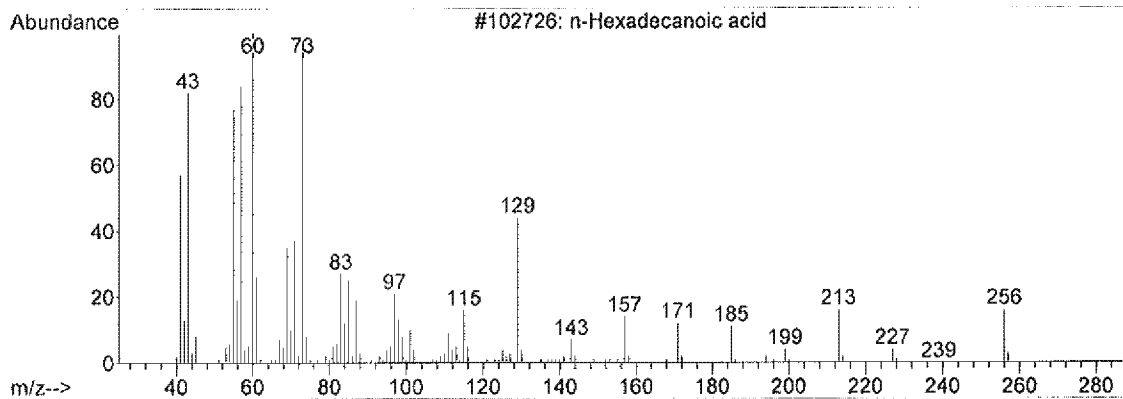
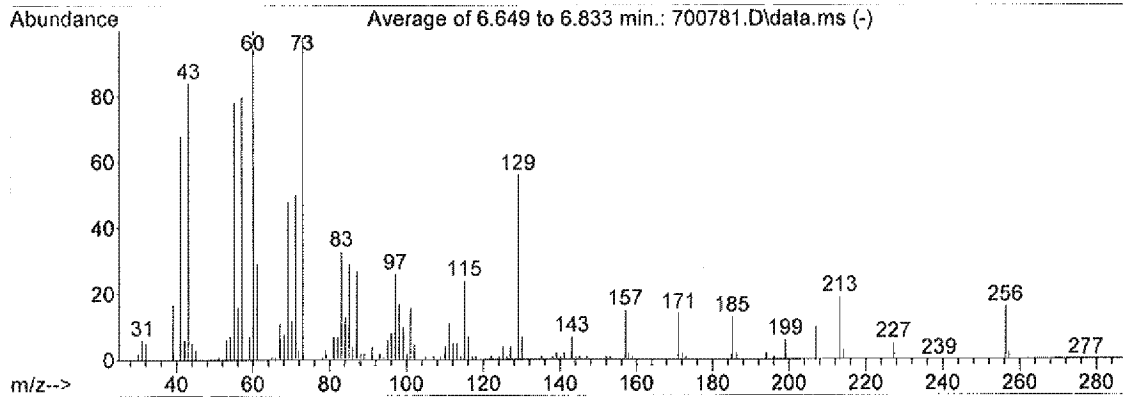


Information from Data File:

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Operator : DCS
Date Acquired : 5 Mar 2010 14:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	6.68	C:\Database\NIST08.L		
		n-Hexadecanoic acid	000057-10-3	99
		n-Hexadecanoic acid	000057-10-3	99
		Pentadecanoic acid	001002-84-2	90

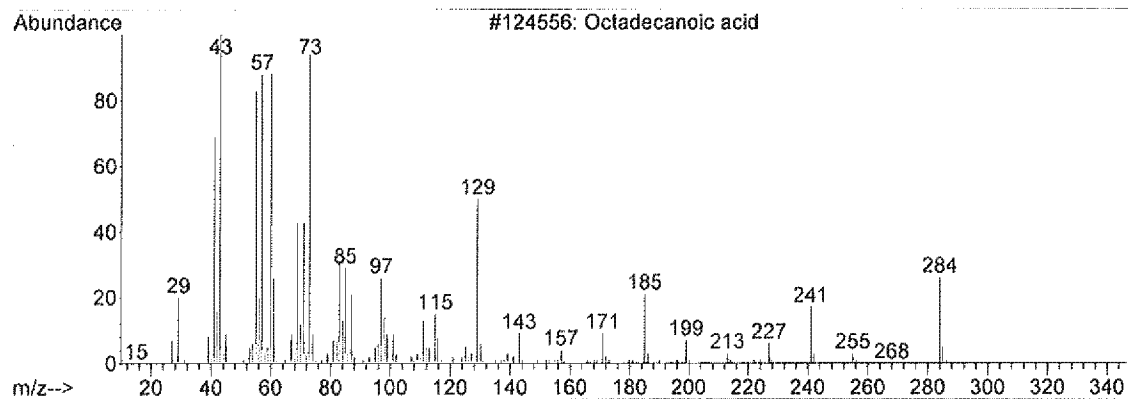
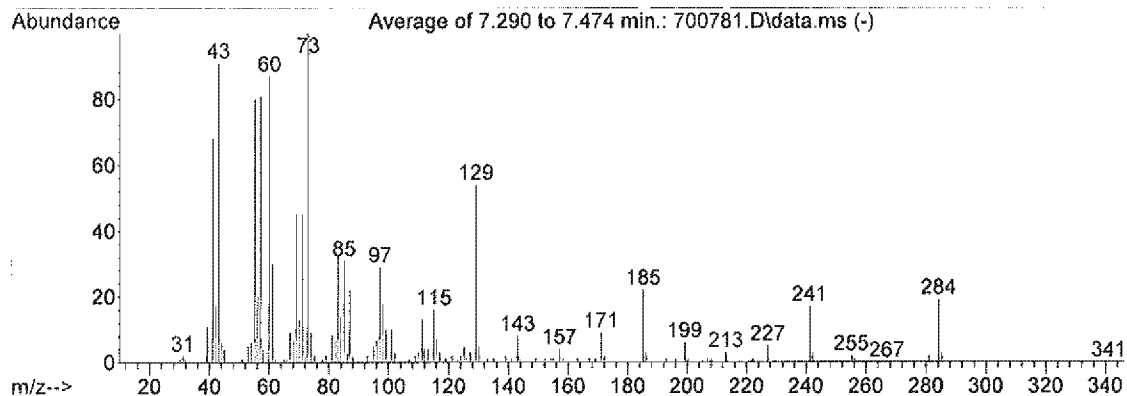


Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700781.D
Operator : DCS
Date Acquired : 5 Mar 2010 14:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	7.32	C:\Database\NIST08.L		
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	96

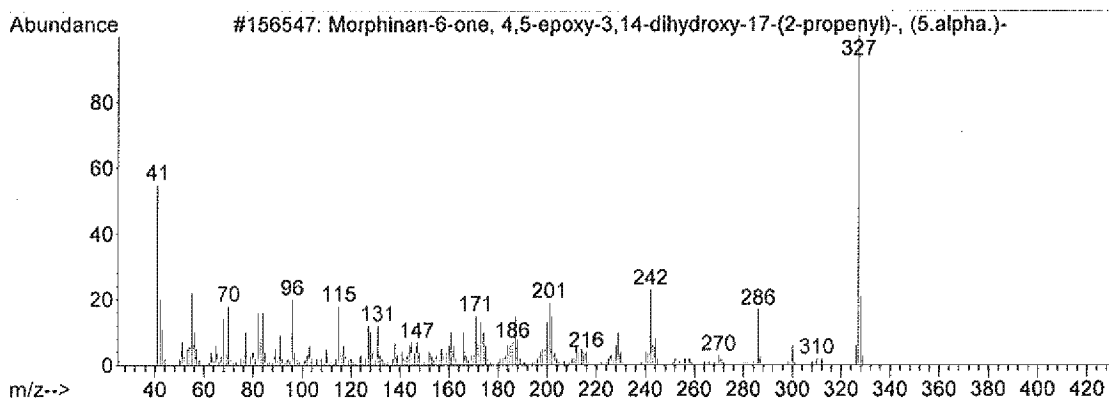
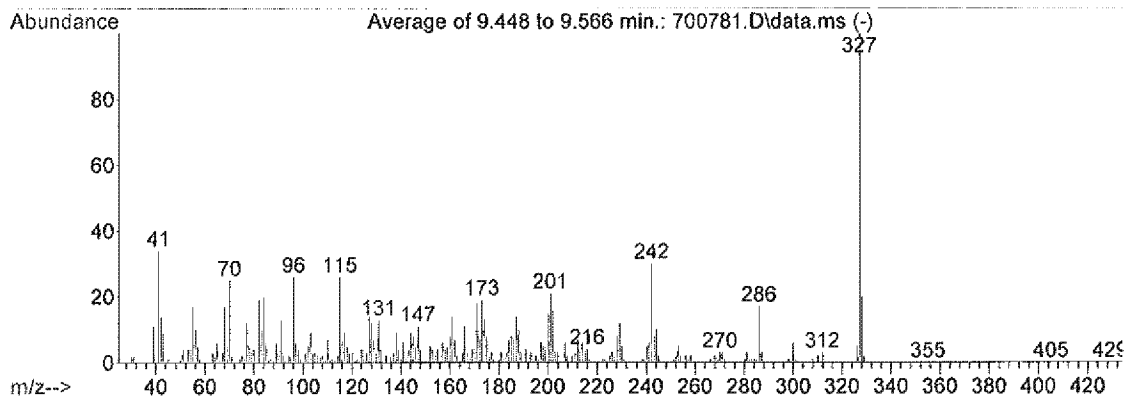


Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700781.D
Operator : DCS
Date Acquired : 5 Mar 2010 14:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	9.48	C:\Database\NIST08.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	95
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	92

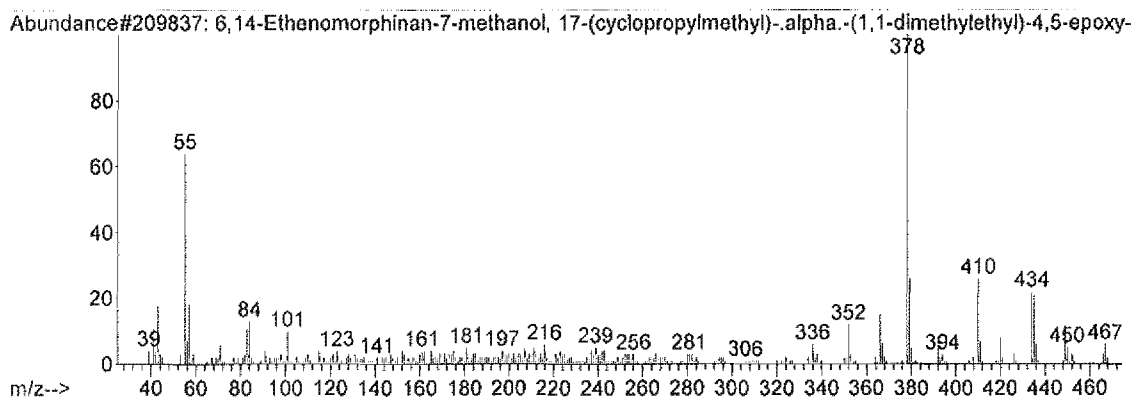
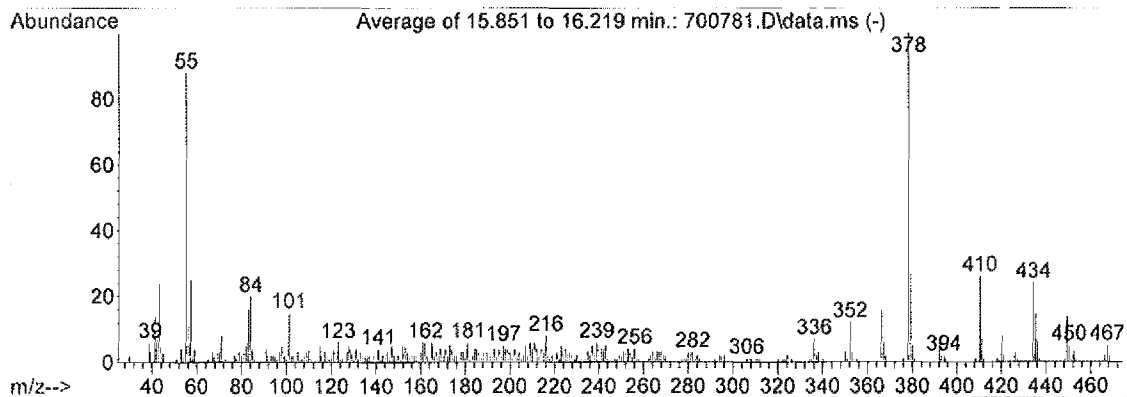


Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700781.D
Operator : DCS
Date Acquired : 5 Mar 2010 14:33
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: WSCREEN
Integrator : RTE

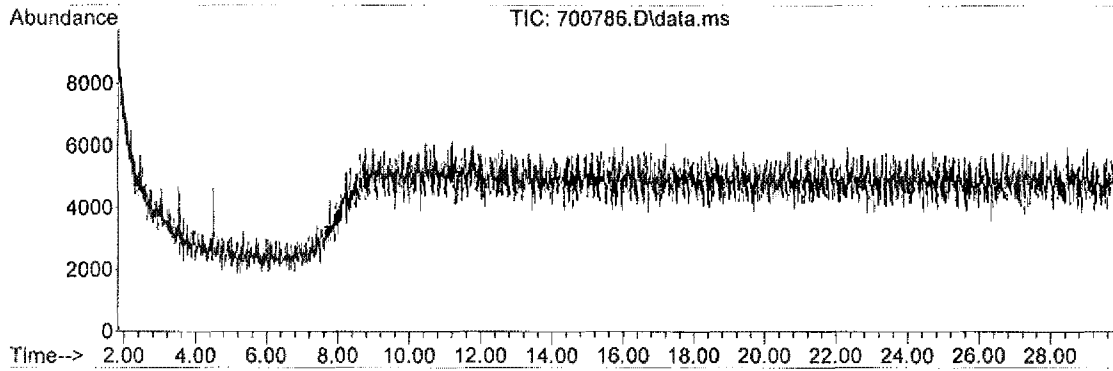
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	16.00	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95



Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700786.D
Operator : DCS
Date Acquired : 5 Mar 2010 17:24
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: WSCREEN
Integrator : RTE

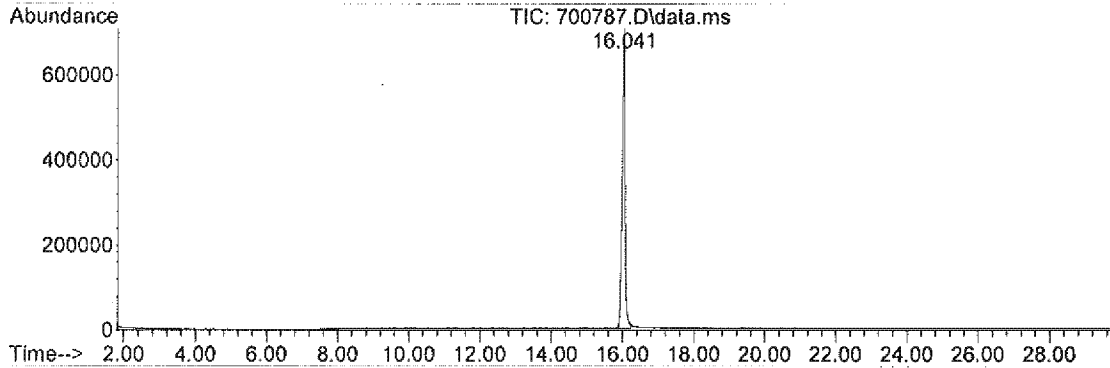


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700787.D
Operator : DCS
Date Acquired : 5 Mar 2010 17:58
Sample Name : BUPRENORPHINE STANDARD
Submitted by :
Vial Number : 99
AcquisitionMeth: WSCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
16.041	3960596	100.00	100.00

Information from Data File:

File Name : F:\Q1-2010\SYSTEM6\03_04_10\700787.D
Operator : DCS
Date Acquired : 5 Mar 2010 17:58
Sample Name : BUPRENORPHINE STANDARD
Submitted by :
Vial Number : 99
AcquisitionMeth: WSCREEN
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	16.04	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96

